

PUBLIC NOTICE

FEDERAL COMMUNICATIONS COMMISSION

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Report No. 402 EXPERIMENTAL ACTIONS

The Commission, by its Office of Engineering and Technology, Experimental Licensing Branch, granted the following experimental applications during the period from 4/1/07 to 5/1/07:

- **WE2XAU THE BOEING COMPANY 0172-EX-PL-2006**
New experimental to operate in 219.025-219.145, 902-928, 2434 and 2473 MHz to various concepts for UAV (Unmanned Aerial Vehicle Systems for flight tests).
Mobile: 1 KMRA of Berkeley, MO, 1KMRA of Hazelwood, MO, 1459 miles around Vandalia, IL, and 9 sq. miles around Ft. Leonard Wood, MO
- **WE2XBG CALIFORNIA, STATE OF 0140-EX-PL-2006**
New experimental to operate on 401.8855 and 401.9545 MHz for collection of environmental data.
Fixed: French Camp (San Joaquin), CA
- **WE2XBH CALIFORNIA, STATE OF 0142-EX-PL-2006**
New experimental to operate on 401.8585 and 401.9545 MHz for collection of environmental data.
Fixed: Pescadero (San Joaquin), CA
- **WE2XBI CALIFORNIA, STATE OF 0143-EX-PL-2006**
New experimental to operate on 401.8585 and 401.9545 MHz for collection of environmental data.
Fixed: Tracy (San Joaquin), CA
- **WE2XBJ CALIFORNIA, STATE OF 0144-EX-PL-2006**
New experimental to operate on 401.8585 and 401.9545 MHz for collection of environmental data.
Fixed: Doyle (Plumas), CA
- **WE2XDE NEPTUNE TECHNOLOGY GROUP 0521-EX-PL-2006**
New experimental to operate in 451.125 MHz and 456.125 MHz for field testing utility water meter reading systems.
Mobile: Tallassee (Elmore), AL, and Opelika, AL at temporary fixed locations
- **WE2XAS BAE SYSTEMS INFORMATION AND ELECTRONIC SYSTEMS INTEGRATION INC. 0150-EX-PL-2006**
New experimental to operate in 459.50-460.50 MHz for testing antennas.
Fixed: Merrimack (Hillsborough), NH
- **WE2XAM BOEING COMPANY, THE 0125-EX-PL-2006**
New experimental to operate on 1575.42 MHz to perform functional performance checks of embedded GPS receivers under various military contracts.
Fixed: Seattle (King), WA
- **WD2XZN ORBITAL SCIENCES CORPORATION 0254-EX-PL-2006**
New experimental to operate on 1575.42 MHz for testing radionavigation satellite service (RNSS) equipment and systems.
Fixed: Chandler (Maricopa), AZ

- **WE2XCR RAYTHEON COMPANY 0708-EX-PL-2006**
New experimental to operate in 1626.60-1660.50 MHz for mobile earth terminal demonstrations using Inmarsat-4F2.
Mobile: Marlborough, MA, at a trade show from 4/24/07 until 4/27/07 and McKinnex, TX at a trade show from 5/1/07 until 5/20/07
- **WC9XKV NORTHROP GRUMMAN DEFENSE MISSION SYSTEMS, INC. 0596-EX-PL-2006**
New experimental to operate in 1850-1865 MHz and 1930-1945 MHz for demonstrating a Battlefield Airborne Communications Node (BACN) for the U.S. Air Force.
Fixed & Mobile: Airborne with an altitude of 18,288 meters within 148 km around Marine Corp Air Station Miramar (San Diego), CA
- **WE2XCH HARRIS CORPORATION 0607-EX-PL-2006**
New experimental to operate in 2360-2390 MHz and 2421-2443 MHz for communications tests of multiband network radio terminals under contract to U.S. Navy.
Fixed: Malabar, Grant, Melbourne and Palm Bay (Brevard), FL
- **WE2XCO NORTHROP GRUMMAN SYSTEMS CORPORATION 0639-EX-PL-2006**
New experimental to operate on 2386.5 MHz for flight testing the telemetry system of the E-2D Advanced Hawkeye aircraft.
Mobile: within 160 km of St. Johns County Municipal Airport, St. Augustine, FL, at an altitude of 30,000 feet MSL
- **WE2XBO 20/20 COMMUNICATIONS 0168-EX-PL-2006**
New experimental to operate in 3650-3700 MHz for testing high-speed non-line of sight (NLOS) technology.
Mobile: Within a 50km radius of Ann Arbor (Washtenaw), MI
- **WE2XAR XONTECH, INC. D/B/A NORTHROP GRUMMAN MISSION SYSTEMS 0138-EX-PL-2006**
New experimental in 9.55–10 GHz to conduct operations required by U.S. Government contract number F33600-02-D-2000.
Fixed: Reston, VA